



EDN BANGALORE

**PRE QUALIFICATION CRITERIA (PQC)
FOR AC Filter Capacitor 8uF 400V
GROUP: SUB ASSEMBLY ENGG**

Ref: 406/PQC/AC CAP

REV NO 00

PAGE 01 OF 01

PRE QUALIFICATION CRITERIA (PQC)

- 1.0) The bidder shall be an Original Equipment Manufacturer (OEM) of AC filter capacitors
OR
Vendor authorized by OEM of AC filter capacitor, supported with valid authorization letter from OEM for supplies to Indian region.
- 2.0) Offer shall be for new capacitor and not for any used or refurbished item.
- 3.A) The bidder shall be a supplier of AC filter capacitors rated for 8uF, 400Vrms for usage in traction converters of HLC system. Bidder shall supply the item as per BHEL's Purchase Specification No. PS 4062373 Rev No: 01. These capacitors shall have an approval for series production by Indian Railways and also proven in BHEL make HLC system. If there are any queries regarding specification, it is supplier's responsibility to get the same clarified from the purchaser before submitting the offer.
- 3.B) Bidders who are not meeting the criteria as in "3.A" above, will not qualify in techno-commercial Bid (Part -I Bid) and their price Bid (Part II Bid) will not be opened. For such offers BHEL shall pre evaluate and approach RDSO/Indian Railways with details furnished by the bidder along with their offers for approval for development order. The bidder shall also co-ordinate and provide all necessary documents to Indian Railways / RDSO as required. These bidders will be considered only for a development order of 1 set = 18 nos of capacitors. Bidder shall supply these capacitors at L1 price as finalized in this tender. Further BHEL will take up with Indian Railways/ RDSO for evaluation and obtaining necessary approval for regular use in BHEL make HLC System.
- 4.0) Documents Submission
- a) Bidder to submit documents compliance to Purchase Specification No. PS 4062373 Rev No: 01. along with data sheet.
- b) Bidders who are not meeting the criteria as in 3.A shall submit following documents
- i) Proof of Supply of this or higher rating capacitors used in rolling stock application directly or through any agency to Indian Railways for reference.
- ii) Type test report along with data sheet for the proposed capacitor with clause wise compliance.
- 5.0) Reference Documents.
- a) Purchase Specification no. PS 4062373 Rev No: 01.

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APPROVED BY

Sudha Iyengar
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PREPARED BY

A. Poongodi
A. Poongodi

ISSUED BY

SAE/406

DATE

06.08.2022



PURCHASE SPECIFICATION
FOR CAP MATL POLY PROP 8uF, 4PIN PAC

PS4062373
REV. NO: 01
PAGE : 00 OF 01

SPECIFICATION FOR CAP MATL POLY PROP 8uF, 440Vac, 4PIN PAC

REVISION HISTORY SHEET

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REV. NO.	DATE	NATURE OF CHANGE	REASONS	PREPARED BY	APPROVED BY
00	19.01.2022	FIRST ISSUE	----	-sd- B. N. Shanthamma	-sd- A. Poongodi
01	31.03.2022	REVISED	----	<i>B.N. Shanthamma</i> B. N. Shanthamma	<i>A. Poongodi</i> A. Poongodi

APPROVED BY		A. Poongodi	
PREPARED BY	ISSUED BY	DATE	
B. N. Shanthamma	SAE	31.03.2022	



PURCHASE SPECIFICATION

PS4062373

REV. NO: 01

FOR CAP MATL POLY PROP 8uF, 4PIN PAC

PAGE : 01 OF 01

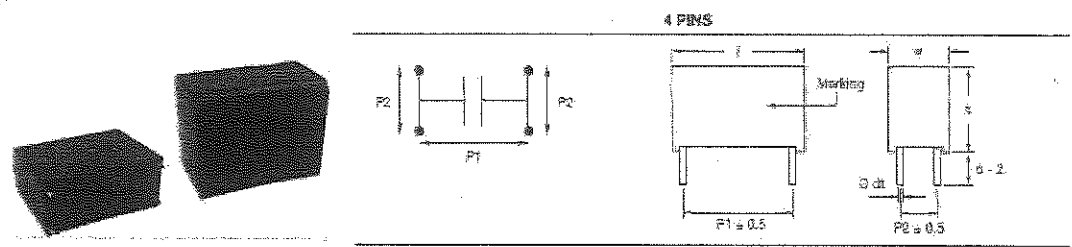
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1.0 Introduction: BHEL EDN is manufacturing 2X 500KVA Hotel Load Converter for Indian Railways. This capacitor is used in RC filter module for the same.

2.0 Following are general specification of capacitor used in RC filter module.

Description: Metallized Polypropylene Film Capacitor for AC Filtering - Radial Type


Sl No	Parameter	Value
1	Capacitance Value	8uF
2	Continuous AC Voltage	440Vrms (Max)
3	Tolerance	5%
4	Dielectric	Polypropylene film
5	Electrodes	Metallized dielectric film
6	Construction	Mono and internal serial construction
7	Encapsulation	Plastic case sealed with resin; flame retardant
8	Terminals	Tinned wire
9	Self-inductance	LS < 1 nH per mm of lead spacing
10	Withstanding Vdc between terminals	1.5 * 1000V for 10 s, cut off current 10 mA, rise time ≤ 1000 V/s
11	Permissible case temperature	105 °C Max



Dimensions in mm: 35 W X 50 H X 57.5 L with Pitch P1 = 52.5 and P2 = 20.3

3.0 Acceptance criteria: Acceptance based on Test certificate/COC from OEM

REQUEST FOR QUOTATION

	BHARAT HEAVY ELECTRICALS LIMITED Electronics Division PB No. 2606, Mysore Road Bangalore - 560026 INDIA	RFQ NUMBER: SAMOT22007 RFQ DATE : 04.08.2022	Due Date/Day: 16.08.2022 TUE Time : 13:00 HRS Tender Box : Reception Area Opening Venue: SUB ASSLY PUR
MMI:PU:RF:003			

Note:- 1) Non-Local supplier whose local content is less than 20% are not eligible to participate in this tender. MII format is mandatory for this tender. 2) Offers to be submitted in line with tender documents attached.	(for all correspondence) Purchase Executive : Sarita Phone : 080 26998239 Fax : E-mail: sarita@bhel.in
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Sl No.	Description	Qty	Unit	Delivery qty	Delivery Date
1	DV0692391410 CAP MATL POLY PROP 8uF, 440Vac, 4PIN PAC * HSN/SAC : 8532 Mfr Part No.- MKP1847580444Y5 Vendor - VISHAY INTER TECHNOLOGY ASIA PTE. L Certificate Of Conformance	2,250	NO	2,250	20.12.2022

Total Number of Items - 1

1.
2.

TWO PART BID - SUBMIT TECHNICAL AND PRICE BID IN SEPARATE SEALED COVERS	
NOTES: 1. This RFQ is governed by: a) INSTRUCTIONS TO BIDDERS/SELLERS and GENERAL CONDITIONS OF CONTRACT FOR PURCHASE available at http://edn.bhel.com (RFQ-PO Terms & Conditions) b) Any other specific Terms and Conditions mentioned. 2. Bidders / Representatives who would like to be present during opening of offers are required to furnish authorization letter for the same. * The HSN/SAC no mentioned against the line items in the RFQ are indicative only.	For and On behalf of BHEL. Sarita Sub-Assembly 1 OF 1

RFQ TERMS & CONDITION

Following points are to be noted before submitting your offer.

1- Important Notice: Request you to go through terms and conditions before submitting quote.

a) INSTRUCTIONS TO BIDDERS/SELLERS (Doc No :BHEL:EDN:ITB-SHOP: Rev 03) available at <http://edn.bhel.com> (RFQ-PO Terms & Conditions)

b) GENERAL CONDITIONS OF CONTRACT FOR PURCHASE (Doc no: BHEL: EDN: GCC-SHOP: Rev 01) available at <http://edn.bhel.com> (RFQ-PO Terms & Conditions)

c) Clause 15 of Doc no: BHEL: EDN: GCC-SHOP: Rev 01 is not applicable.

d) **FOR THIS PROCUREMENT, PUBLIC PROCUREMENT (PREFERENCE TO MAKE IN INDIA)**, Order 2017 dated 15.06.2017, 28.05.2018 and revision dated 16th September 2020 and subsequent Orders issued by the respective Nodal Ministry shall be applicable even if issued after issue of this NIT but before finalization of contract/PO against this NIT.

In the event of any Nodal Ministry prescribing higher or lower percentage of purchase preference and/or local content in respect of this procurement, same shall be applicable.

<https://dipp.gov.in/public-procurements>

e) **FOR THIS PROCUREMENT (GFR)**, Restrictions under Rule 144(xi) of the General Financial Rules (GFRs), 2017- Dept. of Expenditure OM No.6/18/2019-PPD dated 23rd July, 2020 and subsequent Orders issued by the respective Nodal Ministry shall be applicable even if issued after issue of this NIT but before finalization of contract/PO against this NIT.]

<https://www.mea.gov.in/>

a) PURCHASE PREFERENCE FOR MSE VENDORS:

MSE vendors quoting within a price band of L1 + 15% shall be allowed to supply up to 25% of the requirement against this tender provided 1. The MSE vendor matches the L1 price.

i) L1 price is from a non MSE vendor.

j) L1 price will be offered to the vendor nearest to L1 in terms of price ranking (L2 - nearest to L1). In case of non-acceptance by the MSE vendor (L2), next ranking MSE vendor will be offered who is within the L1 + 15% band (if L3 is also within 15% band). k) 3% of the 25% will be earmarked for women owned MSEs.

l) 25% of the 25% (i.e., 6.25% of the total enquired quantity) will be earmarked for SC/ST owned MSE firms provided conditions as mentioned in (1) & (2) are fulfilled.

m) In case where no SC/ST category firms are meeting the conditions mentioned in (1) and (2) or have not participated in the tender, the 6.25% of earmarked quantity for SC/ST owned MSE firms will be distributed among the other eligible MSE vendors who have participated in the tender.

n) In case after the bid opening it is seen that no MSE has become L1, then depending on the nature of the item, if it is not possible to split the tendered items/quantities on account of reasons like customer contract requirements of supplying one make for a given project or technical reasons like the tendered item being a system etc., then BHEL would not counter offer the L1 prices even though there may be MSE bidders within the +15% band of L1. Such information that tendered quantity will not be split shall be indicated in the RFQ.

- 2- Bidders should mention GSTN number of the place of supply and HSN (Harmonized System of Nomenclature)/SAC (Services Accounting Code) number in the offer. In case both supply and service are involved, GSTN no of the place of supply for services shall also be mentioned separately in the offer if different.
- 3- This is TWO PART BID tender. BIDDERS are requested to send "Techno Commercial Bid" AND "Price BID" separately. For more details, please refer point 2.b in attached RFQ Terms and conditions document
- 4- Penalty for delayed delivery is applicable for this Enquiry. If it is not mentioned explicitly it will be assumed as acceptance.
- 5- Offers with ADVANCE PAYMENT are liable for rejection
- 6- If only "Sight Draft" is mentioned it will be considered as "Sight Draft with 45 days"
- 7- In case of not interested in submitting quotation, please send the regret letter which is essential for our records.
- 8- Please indicate complete part number in your quotation and make, else your quotation might be rejected.
- 9- ***Please quote for our RFQ quantity and for MOQ (if any). Offers with high MOQ may not be accepted***
- 10- Material has to be supplied in manufacturer's pack in sealed condition (Refurbished/ pulled out parts are not accepted)
- 11- The evaluation currency for this RFQ shall be INR
- 12- **Reverse Auction is Applicable for this RFQ.**
- 13- If we find different prices for the same Mat Code (after opening Price BID), we will consider the Lowest price only (out of all different prices) for the entire quantity.

.....END.....

COMMERCIAL TERMS & CONDITIONS

To be mandatory filled in YES/No or Not applicable (NA)		(YES/No/NA)	Remarks (if, any)
1	Payment terms: (For any deviation Loading factor will be applicable above the quoted rate)		
1.A	For Quote in INR: BHEL standard payment terms is <u>100% within 45 days credit</u> :		
1.B	For Quote in other than INR: BHEL standard payment terms is <u>100% against sight draft with 45 days credit</u>		
2	Delivery Terms:		
2.A	For Quote in INR: Delivery Terms: BHEL Standard delivery is <u>BHEL DDL-EDN BANGALORE</u> :		
2.B	For Quote in other than INR:(Vendor to mention INCO Terms like FCA/EX-Works)		
3	Penalty terms for Delayed Delivery: 10% loading factor for not accepting the penalty.		
3.1	BHEL standard Penalty Terms is accepted for delayed delivery		
4	Offer validity: 90 Days		
5	Delivery lead time (In Weeks)		
6	GFR Certificate attached		
7	MII Certificate attached		
8	Other terms & Conditions as per NIT		
9	Mention the Government E-Marketplace (GeM) Seller ID (Mandatory for placing PO worth Rs. 25 Lakhs & above) Applicable for only INDIAN VENDORS		

Note-1: Reverse Auction: BHEL shall be resorting to Reverse Auction (RA) (Guidelines as available on www.bhel.com) for this tender. On bidder request through e-mail, the document shall be shared. RA shall be conducted among the techno-Commercially qualified bidders. Price bids of all techno-commercially qualified bidders shall be opened and same shall be considered for RA. In case any bidder(s) do(es) not participate in online Reverse Auction, their sealed envelope price bid along with applicable loading, if any, shall be considered for ranking.”

Note-2: MII certificate: **For this tender, Non-Local supplier whose local content is less than 20% are not eligible to participate.** Certificate in the format shall be considered for Class-I local supplier whose local content is more than 50% for purchase preference. If Class-I local supplier is not L1, even then 50 % of the RFQ qty. shall be offered to him for ordering at L1 price. For details, refer Government of India Circular No. P-450212/2017-PP (BE-II) issued by ministry of Commerce and Industry, DPIIT (Public Procurement Section) dt 16.09.2020 and its subsequent revisions.

On Bidder Letter Head

Date:

To,

M/s Bharat Heavy Electricals Ltd.
Electronics Division, Mysore Road,
Bangalore – 560026

Sub: Model Clause / Certificate as per Annex-III (Tenders) of Restrictions Under Rule 144 (xi) of the General Financial Rules (GFRs) 2017, Dated 23.07.2020.

Ref: BHEL Tender / RFQ / NIT Number

I..... **[Write name of Authorized person]**
Authorized signatory for M/s **[Write Company Name]** have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India , we certify that this bidder M/s**[Vendor Name & address]** is not from such a country or , if from such a country **[Tick appropriate option & cut the other one]**, has been registered with the competent authority . We hereby certify that we fulfill all requirements in this regard and is eligible to be considered **[attach evidence of valid registration certificate with competent authority]**.

For M/s

Authorized Signatory
(with company seal & Name)

On Bidder Letter Head

Date:

To,

M/s Bharat Heavy Electricals Ltd.
Electronics Division, Mysore Road,
Bangalore – 560026

Sub: Model Clause / Certificate as per clause 9 (a) of Revised Public Procurement (Preference to Make in India Order, 2017 of DPIIT dated 13.06.2020.

Ref: BHEL Tender / RFQ / NIT Number

I..... (authorized signatory for M/s) a 'Class-I Local Supplier' / 'Class-II Local Supplier' at the time of tender, bidding or solicitation hereby confirm that the item meets the Local Content requirement for 'Class-I Local Supplier' / 'Class-II Local Supplier' (Tick appropriate option & cut the other one) and the Local Content percentage is

The address is as below, where the local content / value addition is made:

[Factory Address]

For M/s

Authorized Signatory
(with company seal & Name)